

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A mixed flow turbine comprising:

a hub attached to a rotation axis; and

a plurality of rotor blades, ~~each of which is~~ each rotor blade being attached to said hub in a radial direction, wherein said hub is rotated based on fluid supplied to a rotation region of said plurality of rotor blades, ~~and each of said plurality of rotor blades has a curved shape that convexly swells on a supply side of said fluid,~~ and a flow angle of said fluid decreases to be convex downwardly from a side of said hub to a side of a shroud.

Claim 2 (Currently Amended) The mixed flow turbine according to claim 1, wherein each edge of said plurality of rotor blades has first to third points in the curved shape on the supply side of said fluid,

said first point is a point where said rotor blade is attached to said hub,

said third point is a point as a farther point from said first point,

said second point is a midpoint ~~middle point~~ between said first and third points,

the rotation radius of said third point from said rotation axis is larger than that of said second point from said rotation axis,

~~the~~ a rotation radius of said second point from said rotation axis is larger than a rotation radius ~~that~~ of the midpoint on the straight line connecting ~~between~~ said first point ~~and to said third point from said rotation axis,~~ and

the rotation radius of said midpoint from said rotation axis is larger than that of said first point from said rotation axis.

Claim 3 (Canceled)

Claim 4 (Canceled)

Claim 5 (Currently Amended) A rotor blade arrangement used in a mixed flow turbine comprising:

a plurality of rotor blades, each of which is attached to a hub in a radial direction, wherein said hub is rotated based on fluid supplied to a rotation region of said plurality of rotor blades, ~~and~~

each of said plurality of rotor blades has a curved shape that convexly swells on a supply side of said fluid, and

a flow angle of said fluid decreases to be convex downwardly from a side of said hub to a side of a shroud.

Claim 6 (Currently Amended) The rotor blade arrangement according to claim 5, wherein each edge of said plurality of rotor blades has first to third points in the curved shape on the supply side of said fluid,

said first point is a point where said rotor blade is attached to said hub,

said third point is a point which is farther from said first point,

said second point is a midpoint ~~middle point~~ between said first and third points,

the rotation radius of said third point from said rotation axis is larger than that of said second point from said rotation axis,

~~the~~ a rotation radius of said second point from said rotation axis is larger than a rotation radius ~~that of the midpoint on the straight line connecting between said first point and to said third point from said rotation axis, and~~

the rotation radius of said midpoint from said rotation axis is larger than that of said first point from said rotation axis.

Application No. 10/647,340  
Reply to Office Action of August 20, 2004

Claim 7 (Canceled)